

# Kibron INKscreen

High throughput screen for  
automatic and cost-efficient  
screening of surface tension

***"Agfa wants to sustain its world leader position in graphics and healthcare applications. Therefore continuous improvements are required, not only in product portfolio but also in research methodology.***

***In this context the use of the right R&D tools, such as the Kibron Delta-8 high throughput screening device, is highly recommended".***

Dr. Guido Desie, Project Manager High Throughput Screening,  
AGFA-GRAPHICS-R&D-HTS,  
AGFA GEVART, Holland



[www.kibron.com](http://www.kibron.com)

## Kibron INKscreen > HT screening of surface tension

**Kibron INKscreen** performs high throughput screening of surface tension, the key parameter determining the performance of inks.

Individual surface tension values of 96 samples (à only 50 microliters) can be measured within 20 minutes, allowing for truly cost-efficient high content screening of ink samples.

The Kibron INKscreen comprises the use of the *Kibron Delta-8 analyzer*, *INKscreen software* and *INKscreen kit*, including Kibron microtiter plates, sensors and automatic cleaning unit.

### Kibron Delta-8 analyzer – basic features

- standard 96-well platform
- sample volume 50 microliters/well
- simultaneous equilibration of 96 samples
- measurement time of one plate/96 samples 3-20 minutes
- 8 parallel high-precision microbalances and wire probes
- automatic probe cleaning after each assay
- robust and compact construction
- easy-to-use and minimal maintenance required



### INKscreen kit

One INKscreen kit includes 100 Kibron microtiter plates, one cleaning unit and a set of probes, allowing for **9600** determinations of surface tension.

### INKscreen software

INKscreen is operated with an easy-to-use and intuitive one-window-GUI software for screening of surface tension.

The software features a macro/script language for the operation of the instrument, providing advanced users efficient tools to design the experiments (eg. loops to repeat command sequences etc.), while the pre-made scripts help new users to get acquainted with the software. Embedded scripting languages includes Delphi, Javascript, and Visual Basic.